

ABSTRACT

Recombinant plasminogen activator inhibitor-1 (PAI-1)
5 isoforms which lack the reactive center loop and contain
the complete heparin-binding domain or lack at least a
portion of the heparin-binding domain are described. The
rPAI-1 isoforms disclosed herein may be used to modulate
angiogenesis through blocking release of VEGF from a VEGF-
10 heparin complex. Furthermore, the rPAI-1 proteins may be
used to inhibit cell proliferation and migration, induce
apoptosis, and produce proteolytic fragments corresponding
to angiostatin kringle 1-3 and kringle 1-4. A truncated
proteolytic plasmin protein of 34 kDa is also provided.